Tribioscience

Ac-LEHD-pNA (trifluoroacetate salt)

Catalog	Unit
TBP0143-1MG	1 mg

Description

Ac-LEHD-pNA is a well-characterized colorimetric substrate designed for monitoring caspase-9 activity. In the presence of active caspase-9—a cysteine-protease central to intrinsic apoptotic signaling—the enzyme specifically recognizes and cleaves the peptide bond following the LEHD sequence, liberating p-nitroaniline (pNA). This substrate is widely used in apoptosis research to provide a straightforward, reliable measure of caspase-9 activation via colorimetric detection.

Product Details

Formal Name: (2S,5S,8S,11S)-5-((1H-imidazol-5-yl)methyl)-8-(2-carboxyethyl)-11-isobutyl-2-(2-((4-nitrophenyl)amino)-2-oxoethyl)-4,7,10,13-tetraoxo-3,6,9,12-tetraazatetradecanoic acid, 2,2,2-trifluoroacetate

Alternate Names: Ac-Leu-Glu-His-Asp-pNA; Caspase-9 Chromogenic Substrate I

Molecular Formula: $C_{29}H_{38}N_8O_{11} \bullet XCF_3COOH$

Formula Weight: 674.7

CAS Number: 921771-40-6

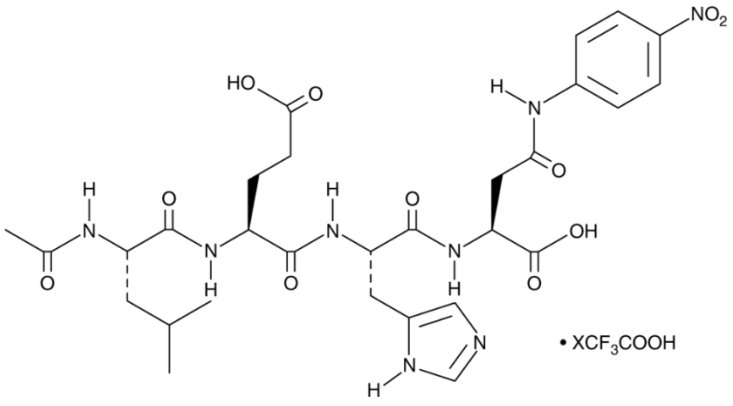
Purity: ≥95%

Formulation: powder

Storage: -20°C

Stability: ≥ 4 years

Solubility: Water: 1 mg/ml



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